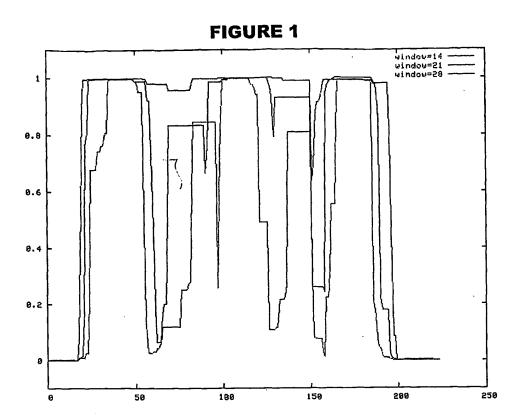
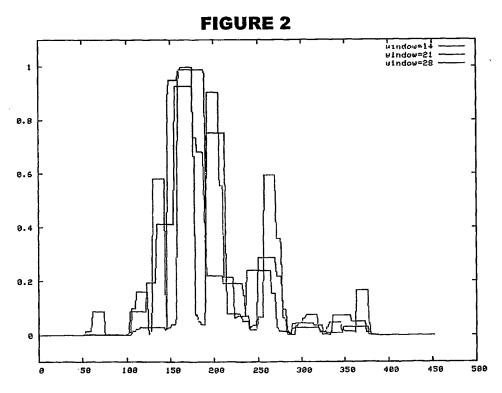
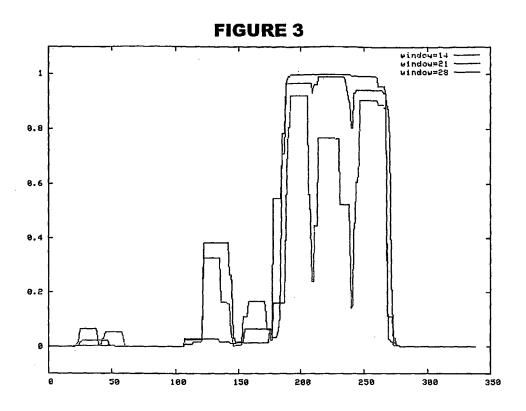
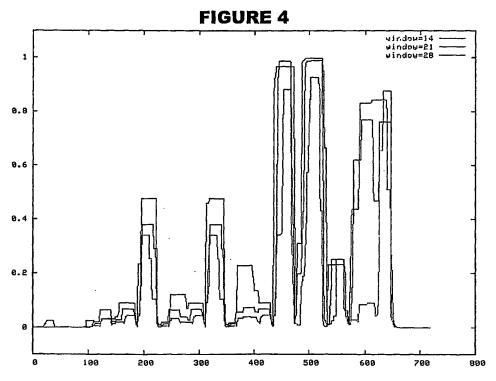
1/20

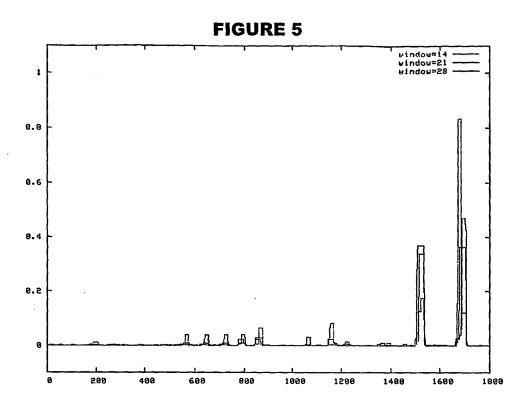


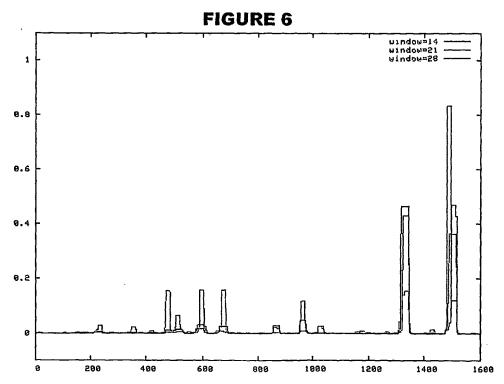


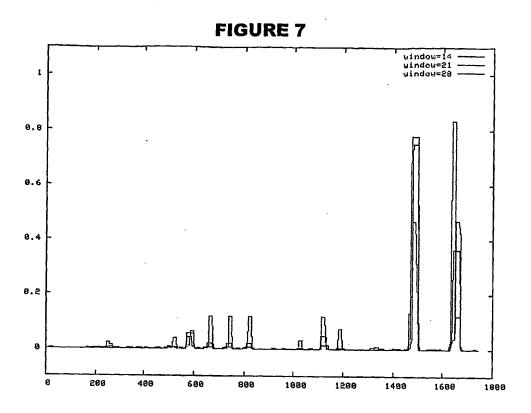
2/20

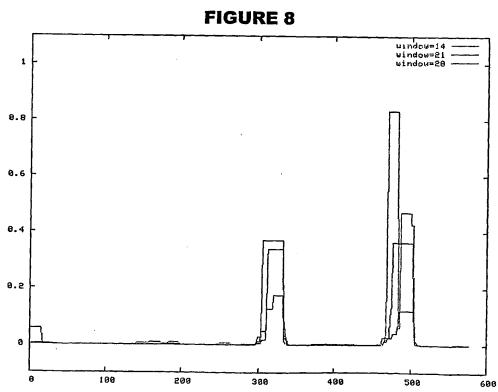




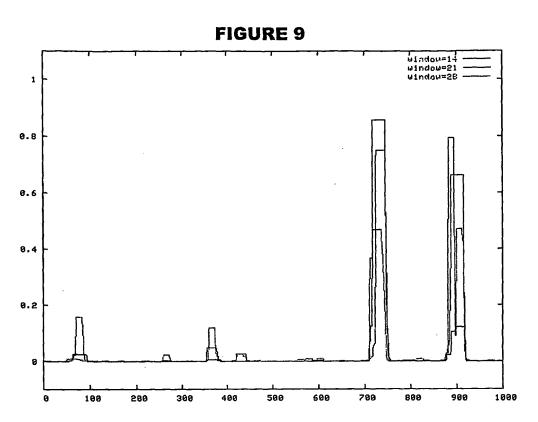


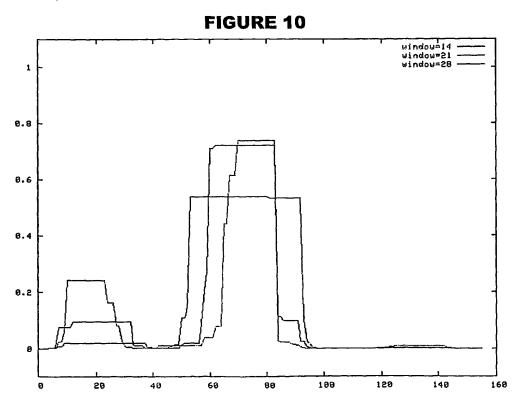


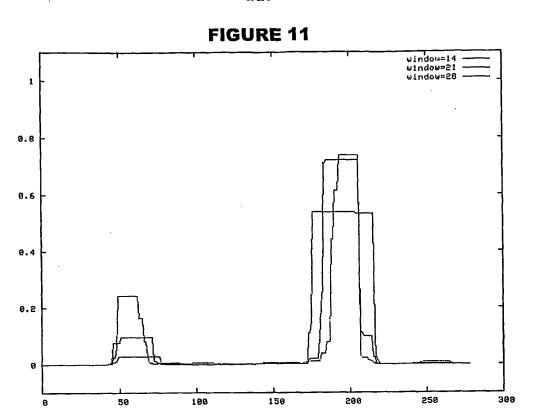


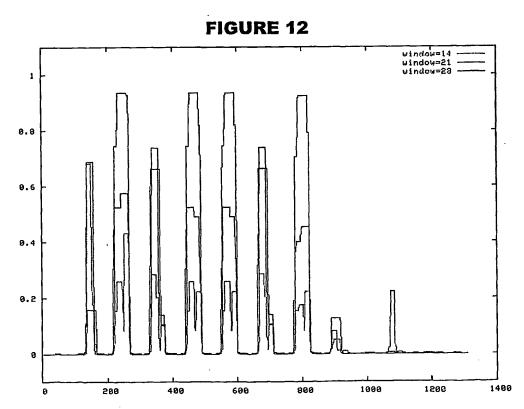


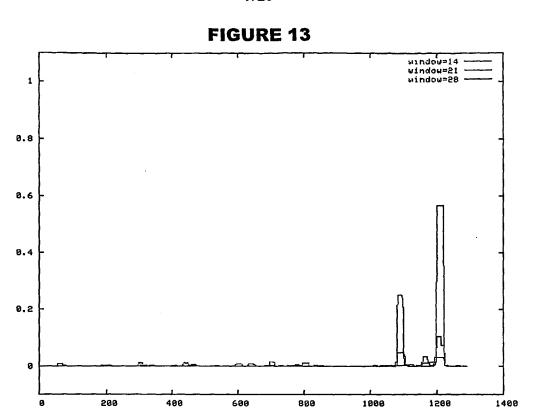












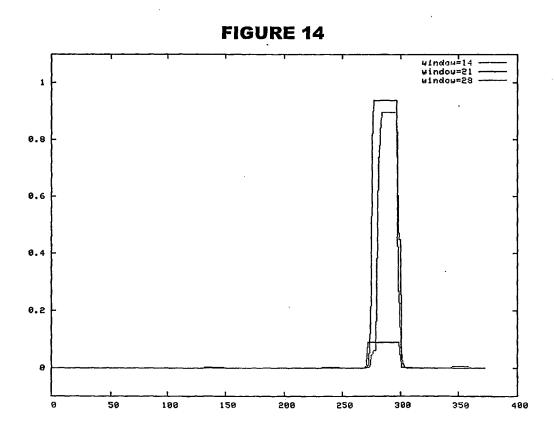


FIGURE 15

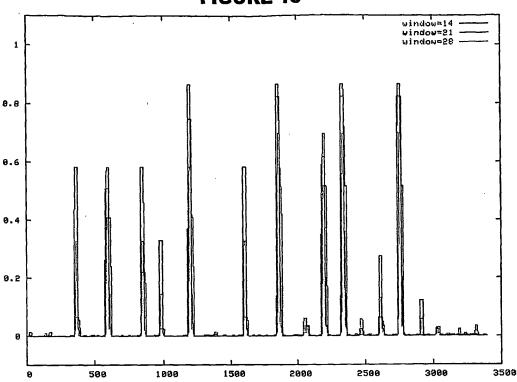


FIGURE 16

ACTESTILIASQE VKTGDVMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGI ADTQSDFGAGVGVGVSSACTESTILIASQE VKTGDVMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGISADTQSDFGAGVGVGXSACTESTILIASQE VKTGDVMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGISADTQSDFGAGVGVGXSSACTESTILIASQE VKTGDLMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGISADTQSDFGAGVGVGXSSACTESTILIASQE VKRGDLMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGISADTQSDFGAGVGVGXSSACTESTILIASQE VKRGDLMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGVGADTQSDFGAGVGVGXSSACTESTILIASQE VKRGDLMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGVGADTQSDFGAGVGVGXSSACTESTILIASQE VKRGDLMVSAGAGTENGESAVSVGTS--FNAGTHTVLKAGVGADTQSDFGAGVGVGXSSACTESTILIAMIPDVDQGKSTATIG ISSATVRGYGAVVLGASA-RISHM-LKMKMGVGXSSS--GTTVVGHGASXQGMACTESTILIAMIPDVDQGKSTATIG ISSATVRGYGAVVLGASA-RISHM-LKMKMGVGXSSG--GTTVVGHGASXQGMACTESTIMATISTIC PVDVGKSTATIG ISSATVRGYGAVVICASA-RISHM-LKMKMGVGXSSG--GTTVVGHGASXQGMACTESTIMATISTIC POLYTPGASMASIGGTTNNGESAVATGVSAM-VSANGRWVYKTQGGTNSQGEYSAALGAGIQMACTESTIMAMIT POLYTPGASMASIGGTTNNGESAVATGVSAM-VSANGRWVYKTQGGTNSQGEYSAALGAGIQMACTESTIMAMIT POLYTPGASMASIGGTTNNGESAVATGVSAM-VSANGRWVYKTQGGTNSQGEYSAALGAGIQMACTESTIMAMIT POLYTPGASMASIGGTNNGESAVATGVSAM-VSANGRWVYKTQGGTNSQGEYSAALGAGIQMACTESTIMAMIT POLYTPGASMASIGGTNNGESAVATGVSAM-VSANGRWVYKTQGGTNSQGEYSAALGAGIQMACTESTIMAMIT POLYTPGASMASIGGTNNGESAVATGVSAM-VSANGRWVYKTQGGTNSGGSAAXHVGVNYEMACTESTIMAMIT POLYTPGASMASIGGTNSGSAXHVGVNYEMACTESTIMAMIT POLYTPGASMASIGGTNSGSAXHVGVNYEMACTESTIMAMIT POLYTPGASMASIGGTNSGSAXHVGVNYEMACTESTIMAMIT POLYTPGAGTNSGSAMACTESTIMAMIT POLYTPGAGTNSGSAMACTESTIMA ACTESATETAS O POVKTEDVIMV SPEASTENGES PV SVETS -- FNAGTHTVLKAGIS ADTOS DE GAGVEVEYSE ACTESATETAS O POVKTEDVIMV SPEASTENGES PV SVETS -- FNAGTHTVLKAGIS ADTOS DE GAGVEVEYSE ACTESATENAS O POVKTEDLIMV SPEASTENGES PV SVETS -- FNAGTHTVLKAGIS ADTOS DE GAGVEVEYSE ACTESATENAS O POVKAGDE IMMS PEAGTENGES PV SVETS -- FNAGTHTVLKAGIS ADTOS DE GAGVEVEYSE ACTESAVALEMLE O STAPEKSIVSLEVENHREOS PTALEVES -- MASTINITALIMI POVDOG KSTATE IGS ATTIKETO PV PAGEN -- RISHN-LIMI POVDOG KSTATE IGS POVALE ISA -- RITON-LIMIKAGAGTS SO-GTTIVOLE ASTON ECK1 EHEC **EPEC** EAEC HAESO RALSO **BURFO** SAA UPEC SHIFL NADA HADA ACTAC EIBC EIBD EIBF EIBA EIBE USPA2 YADA DSRA BRUME BRUSU BRUME2 BRUSU2 SINME BRAJA



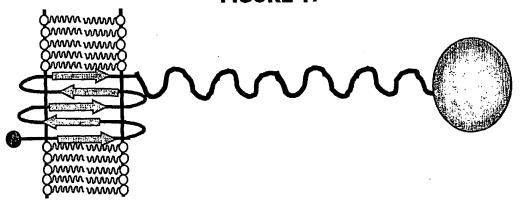








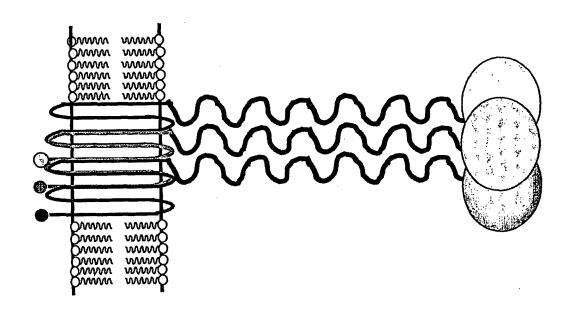
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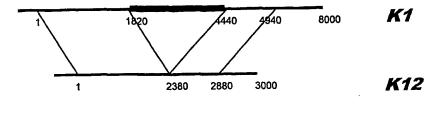


ANCHOR

STALK

HEAD





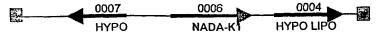
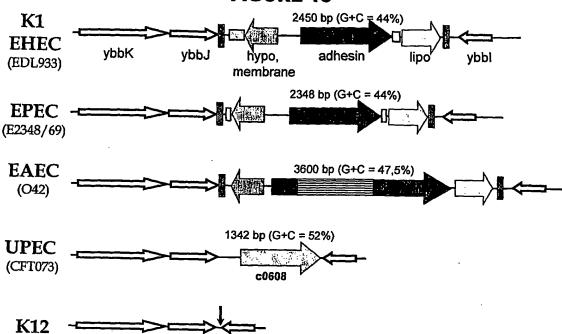
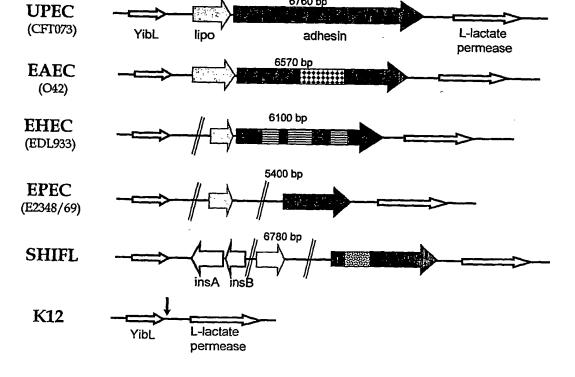


FIGURE 18





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FIGURE 21A

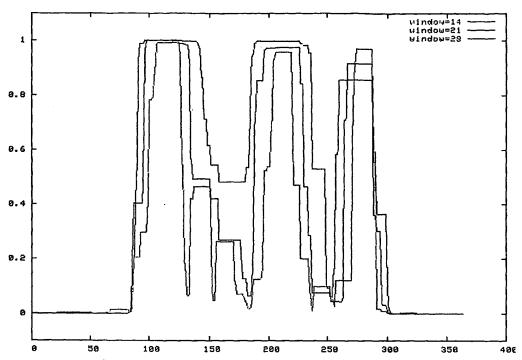


FIGURE 21B

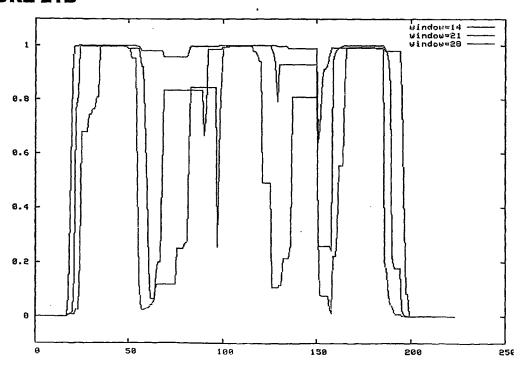
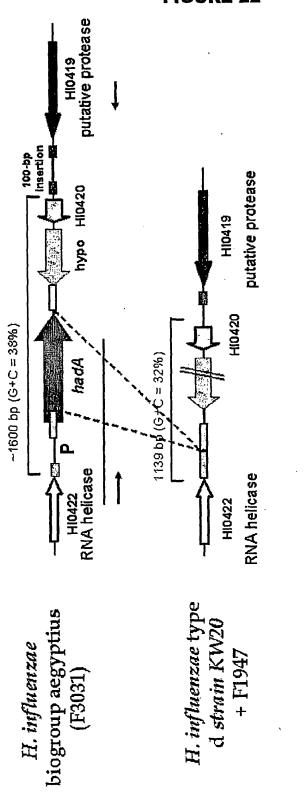


FIGURE 22



H. influenzae NTHi (NT36, 86028, R2866, R2846) + 2 type b strains (eagan, HK707)



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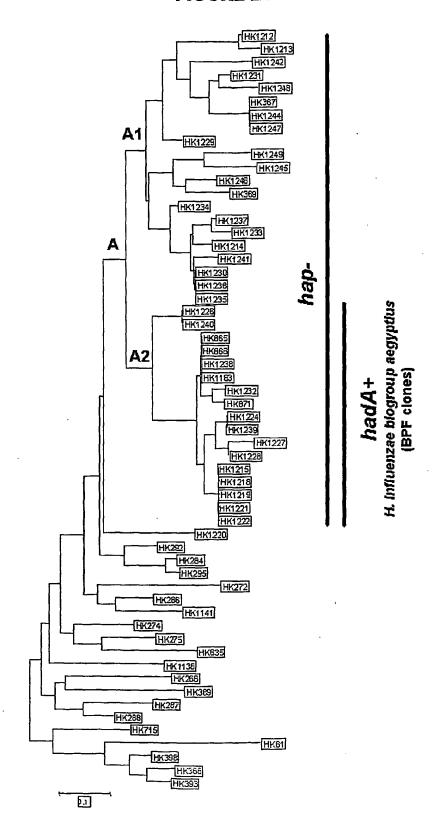
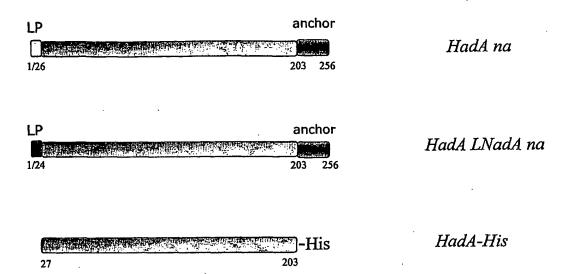
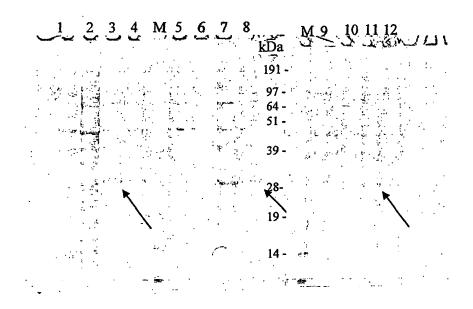


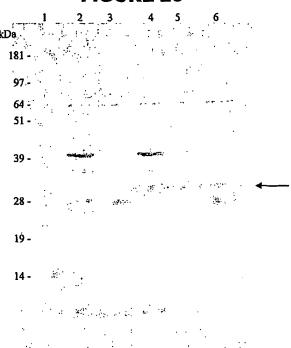
FIGURE 24

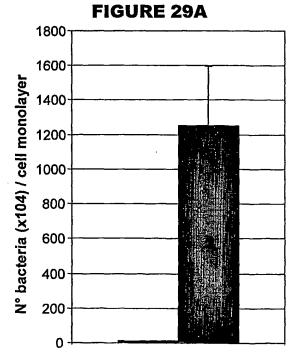


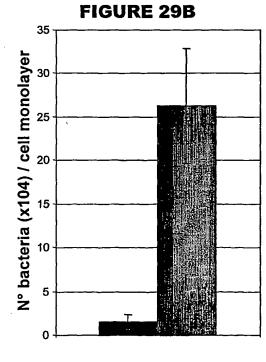


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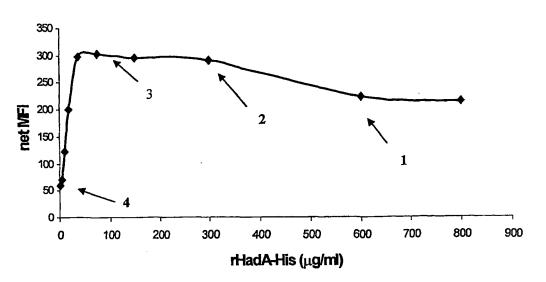


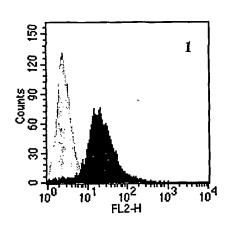


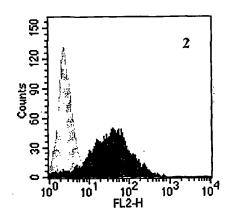


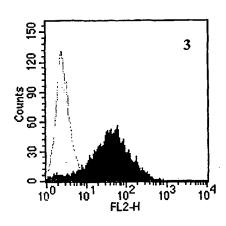
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FIGURE 27









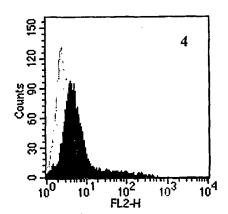


FIGURE 28A

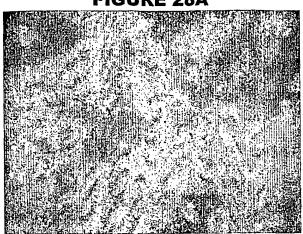


FIGURE 28B

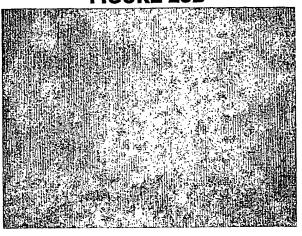


FIGURE 28C

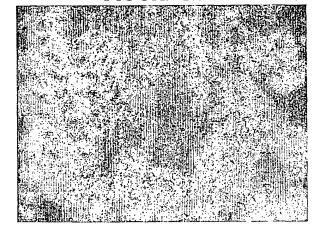


FIGURE 28D

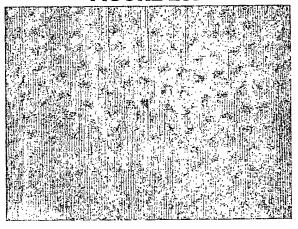


FIGURE 30

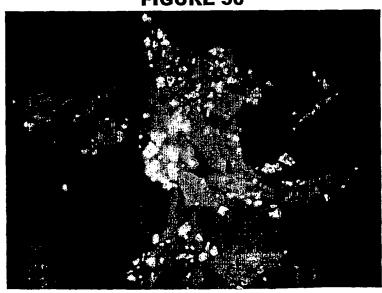




FIGURE 31

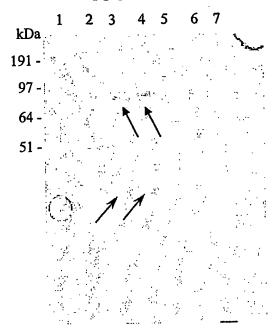
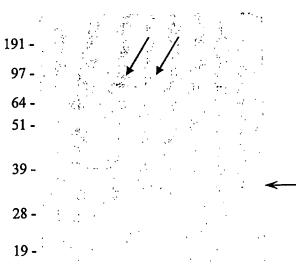


FIGURE 32

1 2 3 4 5 6 7



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FIGURE 33

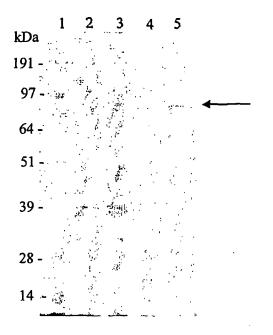
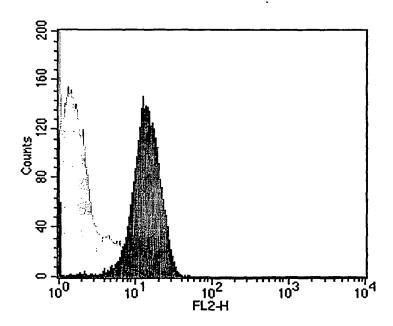
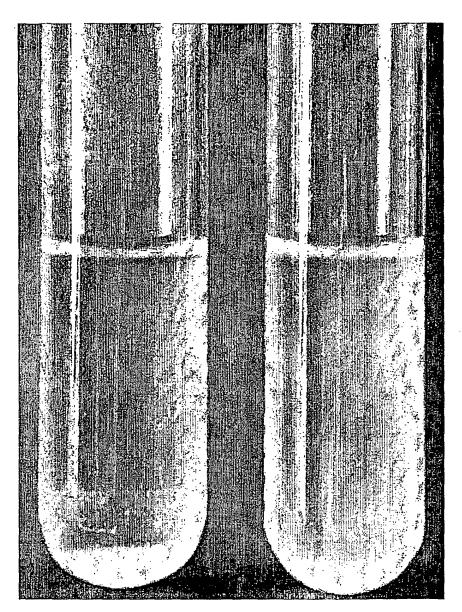


FIGURE 34





HadA⁺

HadA-